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Attorney Docket # 4904-4DIV

Patent

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of

Miroslav Colic et al.

Serial No.: 10/790,544

Filed: March 1, 2004

For: Therapeutic and Prophylactic Compositions  
Including Catalytic Biomimetic Solids and  
Methods to Prepare and Use Them

Examiner: J. T. Woitach  
Group Art: 1632

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

April 27, 2005  
(Date of Deposit)

**Kent H. Cheng**

Name of applicant, assignee or Registered Representative

*Kent H. Cheng*  
Signature

April 27, 2005  
Date of Signature

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

SIR:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO/SB/08A. Copies of the listed documents are also enclosed.

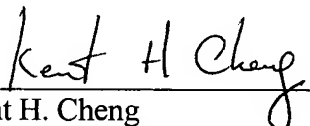
Also enclosed is a copy of an International Search Report issued in the corresponding foreign application.

It is respectfully requested that the above information be considered by the Examiner and that the copy of the enclosed Form PTO/SB/08a be returned indicating that such information has been considered.

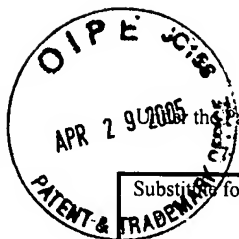
In accordance with 37 C.F.R §§1.97(g) and (h), the filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56(b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserve(s) the right to prove that the date of publication is in fact different.

If any fees or charges are deemed required at this time in connection with the application, the same may be charged to our Patent and Trademark Office Deposit Account No. 03-2412.

Respectfully submitted,  
COHEN, PONTANI, LIEBERMAN & PAVANE

By:   
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Dated: April 27, 2005



Substitution for Form 1449/PTO		<b>Complete if Known</b>	
		Application Number	10/790,544
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Filing Date	March 1, 2004
		First Named Inventor	Miroslav Colic
		Art Unit	1632
		Examiner Name	J. T. Woitach
		Attorney Docket Number	4904-4DIV
Sheet	1	of	2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind-Code <sup>2</sup> (if known)			
		US-5,147,838	9/1992	Marler et al.	
		US-3,846,337	11/1974	Young	
		US-4,927,750	5/1990	Dorn	
		US-4,029,631	6/1977	Bollen et al.	
		US-4,933,161	06/12/90	Vaughan et al.	
		US-5,981,172	11/09/99	Simons et al.	
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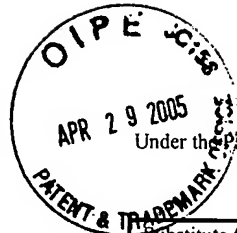
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> Kind-Code <sup>5</sup> (if known)				

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/790,544
		Filing Date	March 1, 2004
		First Named Inventor	Miroslav Colic
		Art Unit	1632
		Examiner Name	J. T. Voitach
Sheet 2 of 2	Attorney Docket Number	4904-4DIV	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Bai et al., "Promoter activation and following induction of the p21/WAF1 gene by flavone is involved in G <sub>1</sub> phase arrest in A549 lung adenocarcinoma cells", <i>FEBS Letters</i> 437, 61-64 (1998).	
		De Azevedo et al., "Structural basis for specificity and potency of a flavonoid inhibitor of human CDK2, a cell cycle kinase", <i>Proc. Natl. Acad. Sci.</i> , vol. 93, pp. 2735-2740 (April 1995).	
		Mumpton, Frederick, "La roca magica: Uses of natural zeolites in agriculture and industry", <i>Proc. Natl. Acad. Sci.</i> , vol. 96, pp. 3463-3470, (March 1999).	
		Ahmad et al., "Green Tea Constituent Epigallocatechin-3-Gallate and Induction of Apoptosis and Cell Cycle Arrest in Human Carcinoma Cells", <i>Journal of the National Cancer Institute</i> , vol. 89, No. 24 (December 17, 1997).	
		Carlson et al., "Flavopiridol Induces G <sub>1</sub> Arrest with Inhibition of Cyclin-dependent Kinase (CDK) 2 and CDK4 in Human Breast Carcinoma Cells", <i>Cancer Research</i> 56, 2973-2978, (July 1, 1996).	
		Liu et al., "The herbal medicine sho-saiko-to inhibits the growth of malignant melanoma cells by upregulating Fas-mediated apoptosis and arresting cell cycle through downregulation of cyclin dependent kinases", <i>International Journal of Oncology</i> 12, 1321-1326 (1998)	
		Lu et al., "Epigallocatechin suppression of proliferation of vascular smooth muscle cells: correlation with c-jun and JNK", <i>British Journal of Pharmacology</i> , 124, pp. 1227-1237 (1998).	
		Miyagawa et al., "Protective Effect of Green Tea Extract and Tea Polyphenols against the Cytotoxicity of 1,4-naphthoquinone in Isolated Rat Hepatocytes", <i>Biosci. Biotech. Biochem.</i> , vol. 61, pp. 1901-1905 (1997).	
		Rochelle et al., "Interactions between Hydroxocobalamin and Nitric Oxide (NO): Evidence for a Redox Reaction between NO and Reduced Cobalamin and Reversible NO Binding to Oxidized Cobalamin", <i>Journal of pharmacology and Experimental Therapeutics</i> vol. 275, No. 1, pp. 48-52 (1995).	
		Sadzuka et al., "Modulation of Cancer Chemotherapy by Green Tea", <i>Clinical Cancer Research</i> , vol. 4, pp. 153-156 (1998).	
		Shimizu et al., "Experimental Study of Antitumor Effect of Methl-B12", <i>Oncology</i> 44, 169-173 (1987).	

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